CALFED Concrete Price List (There ain't no such thing as a free lunch!)

Projects which could meet CALFED's objective to create 3 million acre feet (maf) of surface water storage upstream of the delta in the Sacramento Valley (all cost figures are in the billions of dollars):

PROJECT	ESTIMATE	COST RANGE
Shasta Dam Enlargement		
6.75 maf alternative	$2.7	$2.5-3.2
14.3 maf alternative	$4.8	$4.3-5.5
Cottonwood Creek Complex (Dutch Gulch/Tehama dams)	$1.168	$1.051-1.343
Red Bank Project (Dippingvat/Schoenfield dams)	$.215	$.193-.247
Thomes-Newville[1]		
1.84 maf alternative	$1.514	$1.3-1.75
3.08 maf alternative	$1.7	$1.5-1.95
Sites-Colusa[2]		
Small Sites alternative	$.501	$.451-.577
Large Sites alternative	$.712	$.641-.819
Sites-Colusa alternative	$1.485	$1.336-1.708
Red Bluff Diversion Enlargement		
Fish ladder alternative	$.063	$.057-.073
Pumping plant alternative	$.145	$.131-.168
Tehama-Colusa Canal Enlargement		
Enlarged canal alternative	$.238	$.214-.274
Parallel canal alternative	$.364	$.518-.662[3]
Chico Landing Intertie	$.409	$.368-.471
Berryessa Enlargement[4]		
6 maf alternative	$1.788	$1.051-1.343
13.3 maf alternative	$2.621	$2.359-3.014
Berryessa Intertie	$.649	$.584-.746

[1] Requires Red Bluff Diversion/Tehama-Colusa Canal Enlargement to provide water from the Sacramento River for offstream storage.
[2] Requires Red Bluff Diversion/Tehama-Colusa Canal Enlargement or Chico Landing Intertie to provide water from the Sacramento River for offstream storage.
[3] The range of cost for the Parallel Canal alternative is higher than the estimated cost -- a probable typo in the CALFED technical report.
[4] Requires the Berryessa Intertie or Tehama-Colusa Canal extension to provide water from the Sacramento River for offstream storage.

Tehama-Colusa Canal Extension		
Enlarging Reaches 6-8	$.147	$.132-.169
New Canal 3,500 cfs	$.222	$.200-.255
New Canal - Yolo County	$.216	$.194-.248
Enlarge Existing Canal	$.363	$.326-.417
New Parallel Canal	$.438	$.394-.503

Projects which could meet CALFED's objective to create up to 2 million acre feet (maf) of "off aqueduct" storage and 500,000 acre feet of onstream surface storage in the San Joaquin Valley (all cost figures are in the billions of dollars):

PROJECT	ESTIMATE	COST RANGE
Mid-Valley Canal	$.903	$.812-1.03
Los Banos Grandes		
1.73 maf alternative	$.1124	$1.012-1.293
2.03 maf alternative	$1.323	$1.191-1.521
Los Vaqueros Enlargement	$1.8	$1.6-2.1
Montgomery	$.253	$.227-.290
Orestimba		
Small alternative	$1.087	$.978-1.359
Large alternative	$2.641	$2.377-3.302
San Luis Enlargement	$.799	$.719-.919
Friant/Millerton Enlargement	$1.198	$1.078-1.378

Projects which could meet CALFED's objective to create up to 200,000 acre feet (maf) of "in delta" water storage (all cost figures are in the billions of dollars):

PROJECT	ESTIMATE	COST RANGE
Chain of Lakes Project		
Siphon Only alternative	$1.8	$2.6-3.7[5]
Siphon & Pump alternative	$2.8	$2.5-3.59
In Delta Storage Project		
Alternative A	$.982	$.884-1.228
Alternative B	$.800	$.720-1.0

[5] Estimate does not fit the range -- another probable CALFED typo.

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CALFED's Delta Conveyance Facilities (aka Peripheral Canal) (all cost figures are in the billions of dollars):

PROJECT	ESTIMATE	COST RANGE
Isolated Delta Conveyance		
5,000 cfs	$.846	$.762-.973
10,000 cfs	$1.079	$.971-1.241
15,000 cfs	$1.279	$2.243-3.115
Multiple Intakes Option	$2.492	$2.243-3.115
Improved Through Delta		
Hood Intake Alternative	$1.435	$1.292-1.794
Tyler Island Alternative	$.842	$.758-1.052
Western Delta Isolated Conveyance	$2.338	$2.104-2.63

Source: CALFED Storage and Conveyance Components, Facility Descriptions and Cost Estimates, Volumes 1-3, October 1997.

E-017123

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Source: CALFED Storage and Conveyance Components, Facility Descriptions and Cost Estimates, Volumes 1-3, October 1997.

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